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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Frank Collart *et al.*

Serial No.: 09/533,466

Attorney Docket No. 21416/90042

Filing Date: March 23, 2000

Title: USE OF THE CRYSTAL STRUCTURE
OF BACTERIAL IMP DEHYDROGENASE TO
DESIGN INHIBITORS OF BACTERIAL
GROWTH

Examiner: N. Ogihara

Art Unit: 1631

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**AMENDMENT AND RESPONSE TO OFFICE ACTION
MAILED OCTOBER 20, 2000**

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

This amendment is filed in response to the Office Action mailed October 20, 2000. Please enter the following amendments and consider the accompanying remarks. A petition for a two-month extension of time until March 20, 2001 is filed concurrently with the required fee. A sequence listing in accordance with 37 C.F.R. § 1.821-1.825 is also filed concurrently.

AMENDMENT

In the Claims

Please amend the following claims:

In claim 1, add --(ionisine monophosphate dehydrogenase)-- after "IMPDH"

4. (Amended) A method for developing lead compounds for an inhibitor of bacterial
IMPDH (inosine monophosphate dehydrogenase), said method comprising

- a. obtaining a crystal of bacterial IMPDH;
- b. recording x-ray diffraction data from said crystal; [and]
- c. using said diffraction data to generate an electron density map consistent
with the model for the molecular structure of IMPDH[.]; and